

## Exhibit A

	1	50
AB032369 (Goitsuka et al.)	(1)	-----
hMIST (320 - 1648 of SID:1)	(1)	ATGGCTGAATTGAAGATCCCTCTTACCCGCCAGGTGCCAAGAACTATGAA
hMIST (320 to 1279 of SID:1)	(1)	ATGGCTGAATTGAAGATCCCTCTTACCCGCCAGGTGCCAAGAACTATGAA
hMIST (320 to 1288 of SID:1)	(1)	ATGGCTGAATTGAAGATCCCTCTTACCCGCCAGGTGCCAAGAACTATGAA
hMIST (323 to 1648 of SID:1)	(1)	---GCTGAATTGAAGATCCCTCTTACCCGCCAGGTGCCAAGAACTATGAA
	51	100
AB032369 (Goitsuka et al.)	(1)	-----T
hMIST (320 - 1648 of SID:1)	(51)	CAGGCAGGGCAATAGAAAGACAACCTAAAGAAGGATCCAACGATTGAAAT
hMIST (320 to 1279 of SID:1)	(51)	CAGGCAGGGCAATAGAAAGACAACCTAAAGAAGGATCCAACGATTGAAAT
hMIST (320 to 1288 of SID:1)	(51)	CAGGCAGGGCAATAGAAAGACAACCTAAAGAAGGATCCAACGATTGAAAT
hMIST (323 to 1648 of SID:1)	(48)	CAGGCAGGGCAATAGAAAGACAACCTAAAGAAGGATCCAACGATTGAAAT
	101	150
AB032369 (Goitsuka et al.)	(2)	TCCAGAACTTCAGTCTGCCAAAAAACAGGTCATGGCCTCGCATCAATAGT
hMIST (320 - 1648 of SID:1)	(101)	TCCAGAACTTCAGTCTGCCAAAAAACAGGTCATGGCCTCGCATCAATAGT
hMIST (320 to 1279 of SID:1)	(101)	TCCAGAACTTCAGTCTGCCAAAAAACAGGTCATGGCCTCGCATCAATAGT
hMIST (320 to 1288 of SID:1)	(101)	TCCAGAACTTCAGTCTGCCAAAAAACAGGTCATGGCCTCGCATCAATAGT
hMIST (323 to 1648 of SID:1)	(98)	TCCAGAACTTCAGTCTGCCAAAAAACAGGTCATGGCCTCGCATCAATAGT
	151	200
AB032369 (Goitsuka et al.)	(52)	GCCACAGGCCAGTACCAGAGGATGAACAAGCCTCTTCTAGACTGGGAAAG
hMIST (320 - 1648 of SID:1)	(151)	GCCACAGGCCAGTACCAGAGGATGAACAAGCCTCTTCTAGACTGGGAAAG
hMIST (320 to 1279 of SID:1)	(151)	GCCACAGGCCAGTACCAGAGGATGAACAAGCCTCTTCTAGACTGGGAAAG
hMIST (320 to 1288 of SID:1)	(151)	GCCACAGGCCAGTACCAGAGGATGAACAAGCCTCTTCTAGACTGGGAAAG
hMIST (323 to 1648 of SID:1)	(148)	GCCACAGGCCAGTACCAGAGGATGAACAAGCCTCTTCTAGACTGGGAAAG
	201	250
AB032369 (Goitsuka et al.)	(102)	AAACTTTGCTGCAGTCTGGATGGAGCAAAAGGCCACAGTGATGATGACT
hMIST (320 - 1648 of SID:1)	(201)	AAACTTTGCTGCAGTCTGGATGGAGCAAAAGGCCACAGTGATGATGACT
hMIST (320 to 1279 of SID:1)	(201)	AAACTTTGCTGCAGTCTGGATGGAGCAAAAGGCCACAGTGATGATGACT
hMIST (320 to 1288 of SID:1)	(201)	AAACTTTGCTGCAGTCTGGATGGAGCAAAAGGCCACAGTGATGATGACT
hMIST (323 to 1648 of SID:1)	(198)	AAACTTTGCTGCAGTCTGGATGGAGCAAAAGGCCACAGTGATGATGACT
	251	300
AB032369 (Goitsuka et al.)	(152)	ATGATGACCTTGAGCTTCGGATGGAAGAGACATGGCAGTCGATTAAAAAT
hMIST (320 - 1648 of SID:1)	(251)	ATGATGACCTTGAGCTTCGGATGGAAGAGACATGGCAGTCGATTAAAAAT
hMIST (320 to 1279 of SID:1)	(251)	ATGATGACCTTGAGCTTCGGATGGAAGAGACATGGCAGTCGATTAAAAAT
hMIST (320 to 1288 of SID:1)	(251)	ATGATGACCTTGAGCTTCGGATGGAAGAGACATGGCAGTCGATTAAAAAT
hMIST (323 to 1648 of SID:1)	(248)	ATGATGACCTTGAGCTTCGGATGGAAGAGACATGGCAGTCGATTAAAAAT
	301	350
AB032369 (Goitsuka et al.)	(202)	TTACCAGCCCGGCTTATAAAGGAATCTGAATATGCAGATACACACTATTT
hMIST (320 - 1648 of SID:1)	(301)	TTACCAGCCCGGCTTATAAAGGAATCTGAATATGCAGATACACACTATTT
hMIST (320 to 1279 of SID:1)	(301)	TTACCAGCCCGGCTTATAAAGGAATCTGAATATGCAGATACACACTATTT
hMIST (320 to 1288 of SID:1)	(301)	TTACCAGCCCGGCTTATAAAGGAATCTGAATATGCAGATACACACTATTT
hMIST (323 to 1648 of SID:1)	(298)	TTACCAGCCCGGCTTATAAAGGAATCTGAATATGCAGATACACACTATTT
	351	400
AB032369 (Goitsuka et al.)	(252)	CAAGGTTGCAATGGACACTCCCCTTCCGTTAGACACAGGACCTCTATCT
hMIST (320 - 1648 of SID:1)	(351)	CAAGGTTGCAATGGACACTCCCCTTCCGTTAGACACAGGACCTCTATCT
hMIST (320 to 1279 of SID:1)	(351)	CAAGGTTGCAATGGACACTCCCCTTCCGTTAGACACAGGACCTCTATCT
hMIST (320 to 1288 of SID:1)	(351)	CAAGGTTGCAATGGACACTCCCCTTCCGTTAGACACAGGACCTCTATCT
hMIST (323 to 1648 of SID:1)	(348)	CAAGGTTGCAATGGACACTCCCCTTCCGTTAGACACAGGACCTCTATCT
	401	450
AB032369 (Goitsuka et al.)	(302)	CCATTGGACAGCCGACCTGGAACACACAGACGAGGTTGAAAAGAGTGGAC
hMIST (320 - 1648 of SID:1)	(401)	CCATTGGACAGCCGACCTGGAACACACAGACGAGGTTGAAAAGAGTGGAC
hMIST (320 to 1279 of SID:1)	(401)	CCATTGGACAGCCGACCTGGAACACACAGACGAGGTTGAAAAGAGTGGAC
hMIST (320 to 1288 of SID:1)	(401)	CCATTGGACAGCCGACCTGGAACACACAGACGAGGTTGAAAAGAGTGGAC
hMIST (323 to 1648 of SID:1)	(398)	CCATTGGACAGCCGACCTGGAACACACAGACGAGGTTGAAAAGAGTGGAC
	451	500
AB032369 (Goitsuka et al.)	(352)	AAACCCATTTCCAGGGACGTCAGAAGCCAAAACATTAAGGAGATGCATC
hMIST (320 - 1648 of SID:1)	(451)	AAACCCATTTCCAGGGACGTCAGAAGCCAAAACATTAAGGAGATGCATC
hMIST (320 to 1279 of SID:1)	(451)	AAACCCATTTCCAGGGACGTCAGAAGCCAAAACATTAAGGAGATGCATC
hMIST (320 to 1288 of SID:1)	(451)	AAACCCATTTCCAGGGACGTCAGAAGCCAAAACATTAAGGAGATGCATC
hMIST (323 to 1648 of SID:1)	(448)	AAACCCATTTCCAGGGACGTCAGAAGCCAAAACATTAAGGAGATGCATC
	501	550
AB032369 (Goitsuka et al.)	(402)	CGTAAGAAAGAACAAGATTTCCTTTACCACCTCCTCGGCCTCTCATAACAC
hMIST (320 - 1648 of SID:1)	(501)	CGTAAGAAAGAACAAGATTTCCTTTACCACCTCCTCGGCCTCTCATAACAC
hMIST (320 to 1279 of SID:1)	(501)	CGTAAGAAAGAACAAGATTTCCTTTACCACCTCCTCGGCCTCTCATAACAC
hMIST (320 to 1288 of SID:1)	(501)	CGTAAGAAAGAACAAGATTTCCTTTACCACCTCCTCGGCCTCTCATAACAC
hMIST (323 to 1648 of SID:1)	(498)	CGTAAGAAAGAACAAGATTTCCTTTACCACCTCCTCGGCCTCTCATAACAC

## Exhibit A (Cont'd)

		551	600
AB032369 (Goitsuka et al.)	(452)	TTCCGAAGAAGTACCAACCCTTGCCCCCTGAGCCGGAGAGCAGCAGGCCA	
hMIST (320 - 1648 of SID:1)	(551)	TTCCGAAGAAGTACCAACCCTTGCCCCCTGAGCCGGAGAGCAGCAGGCCA	
hMIST (320 to 1279 of SID:1)	(551)	TTCCGAAGAAGTACCAACCCTTGCCCCCTGAGCCGGAGAGCAGCAGGCCA	
hMIST (320 to 1288 of SID:1)	(551)	TTCCGAAGAAGTACCAACCCTTGCCCCCTGAGCCGGAGAGCAGCAGGCCA	
hMIST (323 to 1648 of SID:1)	(548)	TTCCGAAGAAGTACCAACCCTTGCCCCCTGAGCCGGAGAGCAGCAGGCCA	
		601	650
AB032369 (Goitsuka et al.)	(502)	CCTTTATCTCAGAGACACACCTTTCCAGAAGTCCAGCGAATGCCAGTCA	
hMIST (320 - 1648 of SID:1)	(601)	CCTTTATCTCAGAGACACACCTTTCCAGAAGTCCAGAGAATGCCAGTCA	
hMIST (320 to 1279 of SID:1)	(601)	CCTTTATCTCAGAGACACACCTTTCCAGAAGTCCAGAGAATGCCAGTCA	
hMIST (320 to 1288 of SID:1)	(601)	CCTTTATCTCAGAGACACACCTTTCCAGAAGTCCAGAGAATGCCAGTCA	
hMIST (323 to 1648 of SID:1)	(598)	CCTTTATCTCAGAGACACACCTTTCCAGAAGTCCAGAGAATGCCAGTCA	
		651	700
AB032369 (Goitsuka et al.)	(552)	GATAAGCTTAAGGGACTTAAGTGAGGTCCTTGAAGCAGAAAAAGTTCCTC	
hMIST (320 - 1648 of SID:1)	(651)	GATAAGCTTAAGGGACTTAAGTGAGGTCCTTGAAGCAGAAAAAGTTCCTC	
hMIST (320 to 1279 of SID:1)	(651)	GATAAGCTTAAGGGACTTAAGTGAGGTCCTTGAAGCAGAAAAAGTTCCTC	
hMIST (320 to 1288 of SID:1)	(651)	GATAAGCTTAAGGGACTTAAGTGAGGTCCTTGAAGCAGAAAAAGTTCCTC	
hMIST (323 to 1648 of SID:1)	(648)	GATAAGCTTAAGGGACTTAAGTGAGGTCCTTGAAGCAGAAAAAGTTCCTC	
		701	750
AB032369 (Goitsuka et al.)	(602)	ATAACCAGAGGAAGCCTGAATCAACTCATCTGTTAGAAAAACCAATACT	
hMIST (320 - 1648 of SID:1)	(701)	ATAACCAGAGGAAGCCTGAATCAACTCATCTGTTAGAAAAACCAATACT	
hMIST (320 to 1279 of SID:1)	(701)	ATAACCAGAGGAAGCCTGAATCAACTCATCTGTTAGAAAAACCAATACT	
hMIST (320 to 1288 of SID:1)	(701)	ATAACCAGAGGAAGCCTGAATCAACTCATCTGTTAGAAAAACCAATACT	
hMIST (323 to 1648 of SID:1)	(698)	ATAACCAGAGGAAGCCTGAATCAACTCATCTGTTAGAAAAACCAATACT	
		751	800
AB032369 (Goitsuka et al.)	(652)	CAAGAGATTCCACTTGCCATTAGCAGTTCTTCATTACGACAAGCAACCA	
hMIST (320 - 1648 of SID:1)	(751)	CAAGAGATTCCACTTGCCATTAGCAGTTCTTCATTACGACAAGCAACCA	
hMIST (320 to 1279 of SID:1)	(751)	CAAGAGATTCCACTTGCCATTAGCAGTTCTTCATTACGACAAGCAACCA	
hMIST (320 to 1288 of SID:1)	(751)	CAAGAGATTCCACTTGCCATTAGCAGTTCTTCATTACGACAAGCAACCA	
hMIST (323 to 1648 of SID:1)	(748)	CAAGAGATTCCACTTGCCATTAGCAGTTCTTCATTACGACAAGCAACCA	
		801	850
AB032369 (Goitsuka et al.)	(702)	CAGTGTGCAAAACAGAGATCATAGAGGAGGCATGCAGCCCTGTTCTCCTC	
hMIST (320 - 1648 of SID:1)	(801)	CAGTGTGCAAAACAGAGATCATAGAGGAGGCATGCAGCCCTGTTCTCCTC	
hMIST (320 to 1279 of SID:1)	(801)	CAGTGTGCAAAACAGAGATCATAGAGGAGGCATGCAGCCCTGTTCTCCTC	
hMIST (320 to 1288 of SID:1)	(801)	CAGTGTGCAAAACAGAGATCATAGAGGAGGCATGCAGCCCTGTTCTCCTC	
hMIST (323 to 1648 of SID:1)	(798)	CAGTGTGCAAAACAGAGATCATAGAGGAGGCATGCAGCCCTGTTCTCCTC	
		851	900
AB032369 (Goitsuka et al.)	(752)	AGAGATGCCAGCCTCCAGCCAGCTGCAGCCCTCAGGAAAATATACTGCC	
hMIST (320 - 1648 of SID:1)	(851)	AGAGATGCCAGCCTCCAGCCAGCTGCAGCCCTCAGGAAAATATACTGCC	
hMIST (320 to 1279 of SID:1)	(851)	AGAGATGCCAGCCTCCAGCCAGCTGCAGCCCTCAGGAAAATATACTGCC	
hMIST (320 to 1288 of SID:1)	(851)	AGAGATGCCAGCCTCCAGCCAGCTGCAGCCCTCAGGAAAATATACTGCC	
hMIST (323 to 1648 of SID:1)	(848)	AGAGATGCCAGCCTCCAGCCAGCTGCAGCCCTCAGGAAAATATACTGCC	
		901	950
AB032369 (Goitsuka et al.)	(802)	TATAAATACACAAGCTGGAGACCACCTTTCCCCAAAAGGTCTGATAGAAA	
hMIST (320 - 1648 of SID:1)	(901)	TATAAATACACAAGCTGGAGACCACCTTTCCCCAAAAGGTCTGATAGAAA	
hMIST (320 to 1279 of SID:1)	(901)	TATAAATACACAAGCTGGAGACCACCTTTCCCCAAAAGGTCTGATAGAAA	
hMIST (320 to 1288 of SID:1)	(901)	TATAAATACACAAGCTGGAGACCACCTTTCCCCAAAAGGTCTGATAGAAA	
hMIST (323 to 1648 of SID:1)	(898)	TATAAATACACAAGCTGGAGACCACCTTTCCCCAAAAGGTCTGATAGAAA	
		951	1000
AB032369 (Goitsuka et al.)	(852)	GGATGTCCAGCACAATGAATGGTACATTGGAGAATACAGCCGCCAGGCAG	
hMIST (320 - 1648 of SID:1)	(951)	GGATGTCCAGCACAATGAATGGTACATTGGAGAATACAGCCGCCAGGCAG	
hMIST (320 to 1279 of SID:1)	(951)	GGATGTCCAG-----	
hMIST (320 to 1288 of SID:1)	(951)	GGATGTCCAGCACAATGA-----	
hMIST (323 to 1648 of SID:1)	(948)	GGATGTCCAGCACAATGAATGGTACATTGGAGAATACAGCCGCCAGGCAG	
		1001	1050
AB032369 (Goitsuka et al.)	(902)	TGGAAGAGGCATTTCATGAAGGAGAACAAAGGATGGTAGTTTCTTGGTCCGA	
hMIST (320 - 1648 of SID:1)	(1001)	TGGAAGAGGCATTTCATGAAGGAGAACAAAGGATGGTAGTTTCTTGGTCCGA	
hMIST (320 to 1279 of SID:1)	(961)	-----	
hMIST (320 to 1288 of SID:1)	(970)	-----	
hMIST (323 to 1648 of SID:1)	(998)	TGGAAGAGGCATTTCATGAAGGAGAACAAAGGATGGTAGTTTCTTGGTCCGA	
		1051	1100
AB032369 (Goitsuka et al.)	(952)	GATTGTTCCACAAAATCCAAGGAAGAGCCCTATGTTTTGGCTGTGTTTTA	
hMIST (320 - 1648 of SID:1)	(1051)	GATTGTTCCACAAAATCCAAGGAAGAGCCCTATGTTTTGGCTGTGTTTTA	
hMIST (320 to 1279 of SID:1)	(961)	-----	
hMIST (320 to 1288 of SID:1)	(970)	-----	
hMIST (323 to 1648 of SID:1)	(1048)	GATTGTTCCACAAAATCCAAGGAAGAGCCCTATGTTTTGGCTGTGTTTTA	

## Exhibit A (Cont'd)

		1101	1150
AB032369 (Goitsuka et al.)	(1002)	-----	-----
hMIST (320 - 1648 of SID:1)	(1101)	TGAGAACAAAGTCTACAATGTAAAAATCCGCTTCCTGGAGAGGAATCAGC	TGAGAACAAAGTCTACAATGTAAAAATCCGCTTCCTGGAGAGGAATCAGC
hMIST (320 to 1279 of SID:1)	(961)	-----	-----
hMIST (320 to 1288 of SID:1)	(970)	-----	-----
hMIST (323 to 1648 of SID:1)	(1098)	TGAGAACAAAGTCTACAATGTAAAAATCCGCTTCCTGGAGAGGAATCAGC	TGAGAACAAAGTCTACAATGTAAAAATCCGCTTCCTGGAGAGGAATCAGC
		1151	1200
AB032369 (Goitsuka et al.)	(1052)	-----	-----
hMIST (320 - 1648 of SID:1)	(1151)	AGTTTGCCCTGGGGACAGGACTCAGAGGAGATGAGAAGTTTGATTTCAGTA	AGTTTGCCCTGGGGACAGGACTCAGAGGAGATGAGAAGTTTGATTTCAGTA
hMIST (320 to 1279 of SID:1)	(961)	-----	-----
hMIST (320 to 1288 of SID:1)	(970)	-----	-----
hMIST (323 to 1648 of SID:1)	(1148)	AGTTTGCCCTGGGGACAGGACTCAGAGGAGATGAGAAGTTTGATTTCAGTA	AGTTTGCCCTGGGGACAGGACTCAGAGGAGATGAGAAGTTTGATTTCAGTA
		1201	1250
AB032369 (Goitsuka et al.)	(1102)	-----	-----
hMIST (320 - 1648 of SID:1)	(1201)	GAAGACATCATCGAACACTACAAGAATT	GAAGACATCATCGAACACTACAAGAATT
hMIST (320 to 1279 of SID:1)	(961)	-----	-----
hMIST (320 to 1288 of SID:1)	(970)	-----	-----
hMIST (323 to 1648 of SID:1)	(1198)	GAAGACATCATCGAACACTACAAGAATT	GAAGACATCATCGAACACTACAAGAATT
		1251	1300
AB032369 (Goitsuka et al.)	(1130)	-----	-----
hMIST (320 - 1648 of SID:1)	(1251)	GAAAGATAAAACTGGGGTCCACAGGAAACAGTGTCACCTCACTCAGCCAC	GAAAGATAAAACTGGGGTCCACAGGAAACAGTGTCACCTCACTCAGCCAC
hMIST (320 to 1279 of SID:1)	(961)	-----	-----
hMIST (320 to 1288 of SID:1)	(970)	-----	-----
hMIST (323 to 1648 of SID:1)	(1248)	GAAAGATAAAACTGGGGTCCACAGGAAACAGTGTCACCTCACTCAGCCAC	GAAAGATAAAACTGGGGTCCACAGGAAACAGTGTCACCTCACTCAGCCAC
		1301	1329
AB032369 (Goitsuka et al.)	(1130)	-----	-----
hMIST (320 - 1648 of SID:1)	(1301)	TCCCTCTCACCAGACACCTCTTGCTCTG	TCCCTCTCACCAGACACCTCTTGCTCTG
hMIST (320 to 1279 of SID:1)	(961)	-----	-----
hMIST (320 to 1288 of SID:1)	(970)	-----	-----
hMIST (323 to 1648 of SID:1)	(1298)	TCCCTCTCACCAGACACCTCTTGCTCTG	TCCCTCTCACCAGACACCTCTTGCTCTG

## Exhibit B

		1	50
AB032369 (Goitsuka et al.)	(1)	TTCCAGAACTTCAGTCTGCCAAAAACAGGTCATGGCCTCGCATCAATAG	
hMIST (566 to 1648 of SID:1)	(1)	-----	
hMIST (797 to 1279 of SID:1)	(1)	-----	
		51	100
AB032369 (Goitsuka et al.)	(51)	TGCCACAGGCCAGTACCAGAGGATGAACAAGCCTCTTCTAGACTGGGAAA	
hMIST (566 to 1648 of SID:1)	(1)	-----	
hMIST (797 to 1279 of SID:1)	(1)	-----	
		101	150
AB032369 (Goitsuka et al.)	(101)	GAAACTTTGCTGCAGTCCTGGATGGAGCAAAAGGCCACAGTGATGATGAC	
hMIST (566 to 1648 of SID:1)	(1)	-----GAC	
hMIST (797 to 1279 of SID:1)	(1)	-----GAC	
		151	200
AB032369 (Goitsuka et al.)	(151)	TATGATGACCCTGAGCTTCGGATGGAAGAGACATGGCAGTCGATTAAAT	
hMIST (566 to 1648 of SID:1)	(4)	TATGATGACCCTGAGCTTCGGATGGAAGAGACATGGCAGTCGATTAAAT	
hMIST (797 to 1279 of SID:1)	(1)	-----	
		201	250
AB032369 (Goitsuka et al.)	(201)	TTTACCAGCCCGGCCTATAAAGGAATCTGAATATGCAGATACACACTATT	
hMIST (566 to 1648 of SID:1)	(54)	TTTACCAGCCCGGCCTATAAAGGAATCTGAATATGCAGATACACACTATT	
hMIST (797 to 1279 of SID:1)	(1)	-----	
		251	300
AB032369 (Goitsuka et al.)	(251)	TCAAGGTTGCAATGGACACTCCCCTTCCGTTAGACACCAGGACCTCTATC	
hMIST (566 to 1648 of SID:1)	(104)	TCAAGGTTGCAATGGACACTCCCCTTCCGTTAGACACCAGGACCTCTATC	
hMIST (797 to 1279 of SID:1)	(1)	-----	
		301	350
AB032369 (Goitsuka et al.)	(301)	TCCATTGGACAGCCGACCTGGAACACACAGACGAGGTTGGAAGAGTGGAA	
hMIST (566 to 1648 of SID:1)	(154)	TCCATTGGACAGCCGACCTGGAACACACAGACGAGGTTGGAAGAGTGGAA	
hMIST (797 to 1279 of SID:1)	(1)	-----	
		351	400
AB032369 (Goitsuka et al.)	(351)	CAAACCCATTTCCTAGGACGTCAGAAGCCAAAACATTAAAGGAGATGCAT	
hMIST (566 to 1648 of SID:1)	(204)	CAAACCCATTTCCTAGGACGTCAGAAGCCAAAACATTAAAGGAGATGCAT	
hMIST (797 to 1279 of SID:1)	(1)	-----CAAACATTAAAGGAGATGCAT	
		401	450
AB032369 (Goitsuka et al.)	(401)	CCGTAAGAAAGAACAAAGATTCCCTTTACCACCTCCTCGGCCTCTCATAACA	
hMIST (566 to 1648 of SID:1)	(254)	CCGTAAGAAAGAACAAAGATTCCCTTTACCACCTCCTCGGCCTCTCATAACA	
hMIST (797 to 1279 of SID:1)	(23)	CCGTAAGAAAGAACAAAGATTCCCTTTACCACCTCCTCGGCCTCTCATAACA	
		451	500
AB032369 (Goitsuka et al.)	(451)	CTTCCGAAGAAGTACCAACCCTTGCCCCCTGAGCCGGAGAGCAGCAGGCC	
hMIST (566 to 1648 of SID:1)	(304)	CTTCCGAAGAAGTACCAACCCTTGCCCCCTGAGCCGGAGAGCAGCAGGCC	
hMIST (797 to 1279 of SID:1)	(73)	CTTCCGAAGAAGTACCAACCCTTGCCCCCTGAGCCGGAGAGCAGCAGGCC	
		501	550
AB032369 (Goitsuka et al.)	(501)	ACCTTTATCTCAGAGACACACCTTTCCAGAAGTCCAGGAATGCCAGTC	
hMIST (566 to 1648 of SID:1)	(354)	ACCTTTATCTCAGAGACACACCTTTCCAGAAGTCCAGAGAATGCCAGTC	
hMIST (797 to 1279 of SID:1)	(123)	ACCTTTATCTCAGAGACACACCTTTCCAGAAGTCCAGAGAATGCCAGTC	
		551	600
AB032369 (Goitsuka et al.)	(551)	AGATAAGCTTAAGGGACTTAAGTGAGGTCCTTGAAGCAGAAAAAGTTCTCT	
hMIST (566 to 1648 of SID:1)	(404)	AGATAAGCTTAAGGGACTTAAGTGAGGTCCTTGAAGCAGAAAAAGTTCTCT	
hMIST (797 to 1279 of SID:1)	(173)	AGATAAGCTTAAGGGACTTAAGTGAGGTCCTTGAAGCAGAAAAAGTTCTCT	
		601	650
AB032369 (Goitsuka et al.)	(601)	CATAACCAGAGGAAGCCTGAATCAACTCATCTGTTAGAAAACCAAATAC	
hMIST (566 to 1648 of SID:1)	(454)	CATAACCAGAGGAAGCCTGAATCAACTCATCTGTTAGAAAACCAAATAC	
hMIST (797 to 1279 of SID:1)	(223)	CATAACCAGAGGAAGCCTGAATCAACTCATCTGTTAGAAAACCAAATAC	
		651	700
AB032369 (Goitsuka et al.)	(651)	TCAAGAGATTCCACTTGCCATTAGCAGTTCTTCATTACGACAAGCAACC	
hMIST (566 to 1648 of SID:1)	(504)	TCAAGAGATTCCACTTGCCATTAGCAGTTCTTCATTACGACAAGCAACC	
hMIST (797 to 1279 of SID:1)	(273)	TCAAGAGATTCCACTTGCCATTAGCAGTTCTTCATTACGACAAGCAACC	
		701	750
AB032369 (Goitsuka et al.)	(701)	ACAGTGTGCAAAACAGAGATCATAGAGGAGGCATGCAGCCCTGTTCTCCT	
hMIST (566 to 1648 of SID:1)	(554)	ACAGTGTGCAAAACAGAGATCATAGAGGAGGCATGCAGCCCTGTTCTCCT	
hMIST (797 to 1279 of SID:1)	(323)	ACAGTGTGCAAAACAGAGATCATAGAGGAGGCATGCAGCCCTGTTCTCCT	
		751	800
AB032369 (Goitsuka et al.)	(751)	CAGAGATGCCAGCCTCCAGCCAGCTGCAGCCCTCACGAAAATATACTGCC	
hMIST (566 to 1648 of SID:1)	(604)	CAGAGATGCCAGCCTCCAGCCAGCTGCAGCCCTCACGAAAATATACTGCC	
hMIST (797 to 1279 of SID:1)	(373)	CAGAGATGCCAGCCTCCAGCCAGCTGCAGCCCTCACGAAAATATACTGCC	
		801	850
AB032369 (Goitsuka et al.)	(801)	CTATAAATACACAAGCTGGAGACCACCTTTCCCCAAAAGGTCTGATAGAA	
hMIST (566 to 1648 of SID:1)	(654)	CTATAAATACACAAGCTGGAGACCACCTTTCCCCAAAAGGTCTGATAGAA	
hMIST (797 to 1279 of SID:1)	(423)	CTATAAATACACAAGCTGGAGACCACCTTTCCCCAAAAGGTCTGATAGAA	

## Exhibit B (Cont'd)

		851	900
AB032369 (Goitsuka et al.)	(851)	AGGATGTCCAGCACAATGAATGGTACATTGGAGAATACAGCCGCCAGGCA	
hMIST (566 to 1648 of SID:1)	(704)	AGGATGTCCAGCACAATGAATGGTACATTGGAGAATACAGCCGCCAGGCA	
hMIST (797 to 1279 of SID:1)	(473)	AGGATGTCCAG-----	
		901	950
AB032369 (Goitsuka et al.)	(901)	GTGGAAGAGGCATTTCATGAAGGAGAACAAGGATGGTAGTTTCTTGGTCCG	
hMIST (566 to 1648 of SID:1)	(754)	GTGGAAGAGGCATTTCATGAAGGAGAACAAGGATGGTAGTTTCTTGGTCCG	
hMIST (797 to 1279 of SID:1)	(484)	-----	
		951	1000
AB032369 (Goitsuka et al.)	(951)	AGATTGTTCCACAAAATCCAAGGAAGAGCCCTATGTTTTGGCTGTGTTTT	
hMIST (566 to 1648 of SID:1)	(804)	AGATTGTTCCACAAAATCCAAGGAAGAGCCCTATGTTTTGGCTGTGTTTT	
hMIST (797 to 1279 of SID:1)	(484)	-----	
		1001	1050
AB032369 (Goitsuka et al.)	(1001)	ATGAGAACAAGTCTACAATGTAAAAATCCGCTTCCTGGAGAGGAATCAG	
hMIST (566 to 1648 of SID:1)	(854)	ATGAGAACAAGTCTACAATGTAAAAATCCGCTTCCTGGAGAGGAATCAG	
hMIST (797 to 1279 of SID:1)	(484)	-----	
		1051	1100
AB032369 (Goitsuka et al.)	(1051)	CAGTTTGCCCTGGGGACAGGACTCAGAGGAGATGAGAAGTTTGATTTCAGT	
hMIST (566 to 1648 of SID:1)	(904)	CAGTTTGCCCTGGGGACAGGACTCAGAGGAGATGAGAAGTTTGATTTCAGT	
hMIST (797 to 1279 of SID:1)	(484)	-----	
		1101	1150
AB032369 (Goitsuka et al.)	(1101)	AGAAGACATCATCGAACACTACAAGAATT-----	
hMIST (566 to 1648 of SID:1)	(954)	AGAAGACATCATCGAACACTACAAGAATT-----	
hMIST (797 to 1279 of SID:1)	(484)	-----	
		1151	1200
AB032369 (Goitsuka et al.)	(1130)	-----	
hMIST (566 to 1648 of SID:1)	(1004)	GGAAAGATAAAACTGGGGTCCACAGGAACAGTGTCACCTCACTCAGCCA	
hMIST (797 to 1279 of SID:1)	(484)	-----	
		1201	1230
AB032369 (Goitsuka et al.)	(1130)	-----	
hMIST (566 to 1648 of SID:1)	(1054)	CTCCCTCTCACCAGACACCTCTTGCCTCTG	
hMIST (797 to 1279 of SID:1)	(484)	-----	

## Exhibit C

	1	50
AB032369 (Goitsuka et al.)	(1) TTCCAGAACTTCAGTCTGCCAAAAACAGGTCATGGCCTCGCATCAATAG	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	51	100
AB032369 (Goitsuka et al.)	(51) TGCCACAGGCCAGTACCAGAGGATGAACAAGCCTCTTCTAGACTGGGAAA	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	101	150
AB032369 (Goitsuka et al.)	(101) GAAACTTTGCTGCAGTCTCGGATGGAGCAAAGGCCACAGTGATGATGAC	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	151	200
AB032369 (Goitsuka et al.)	(151) TATGATGACCCTGAGCTTCGGATGGAAGAGACATGGCAGTCGATTAAAA	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	201	250
AB032369 (Goitsuka et al.)	(201) TTTACCAGCCCGGCCTATAAAGGAATCTGAATATGCAGATACACACTATT	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	251	300
AB032369 (Goitsuka et al.)	(251) TCAAGGTTGCAATGGACACTCCCTTCCGTTAGACACCAGGACCTCTATC	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	301	350
AB032369 (Goitsuka et al.)	(301) TCCATTGGACAGCCGACCTGGAACACACAGACGAGGTTGAAAGAGTGGAA	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	351	400
AB032369 (Goitsuka et al.)	(351) CAAACCCATTTCCAGGGACGTCAGAAGCCAAAACATTAAAGGAGATGCAT	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	401	450
AB032369 (Goitsuka et al.)	(401) CCGTAAGAAAGAACAAGATTTCCTTTACCACCTCCTCGGCCTCTCATAACA	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	451	500
AB032369 (Goitsuka et al.)	(451) CTTCCGAAGAAGTACCAACCCCTTGCCCCCTGAGCCGGAGAGCAGCAGGCC	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	501	550
AB032369 (Goitsuka et al.)	(501) ACCTTTATCTCAGAGACACACCTTTCCAGAAGTCCAGGGAATGCCAGTC	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	551	600
AB032369 (Goitsuka et al.)	(551) AGATAAGCTTAAGGGACTTAAGTGAGTCTTGAAGCAGAAAAAGTTCTCT	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	601	650
AB032369 (Goitsuka et al.)	(601) CATAACCAGAGGAAGCCTGAATCAACTCATCTGTTAGAAAACCAAAATAC	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	651	700
AB032369 (Goitsuka et al.)	(651) TCAAGAGATTCCACTTGCCATTAGCAGTTCTTCATTACGACAAGCAACC	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	701	750
AB032369 (Goitsuka et al.)	(701) ACAGTGTGCAAAACAGAGATCATAGAGGAGCATGCAGCCCTGTTCTCCT	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	751	800
AB032369 (Goitsuka et al.)	(751) CAGAGATGCCAGCCTCCAGCCAGCTGCAGCCCTCACGAAAATATACTGCC	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	
	801	850
AB032369 (Goitsuka et al.)	(801) CTATAAATACACAAGCTGGAGACCACCTTTCCCCAAAAGGTCTGATAGAA	
hMIST (1277 to 1648 of SID:1)	(1) -----	
hMIST (1289 to 1540 of SID:1)	(1) -----	

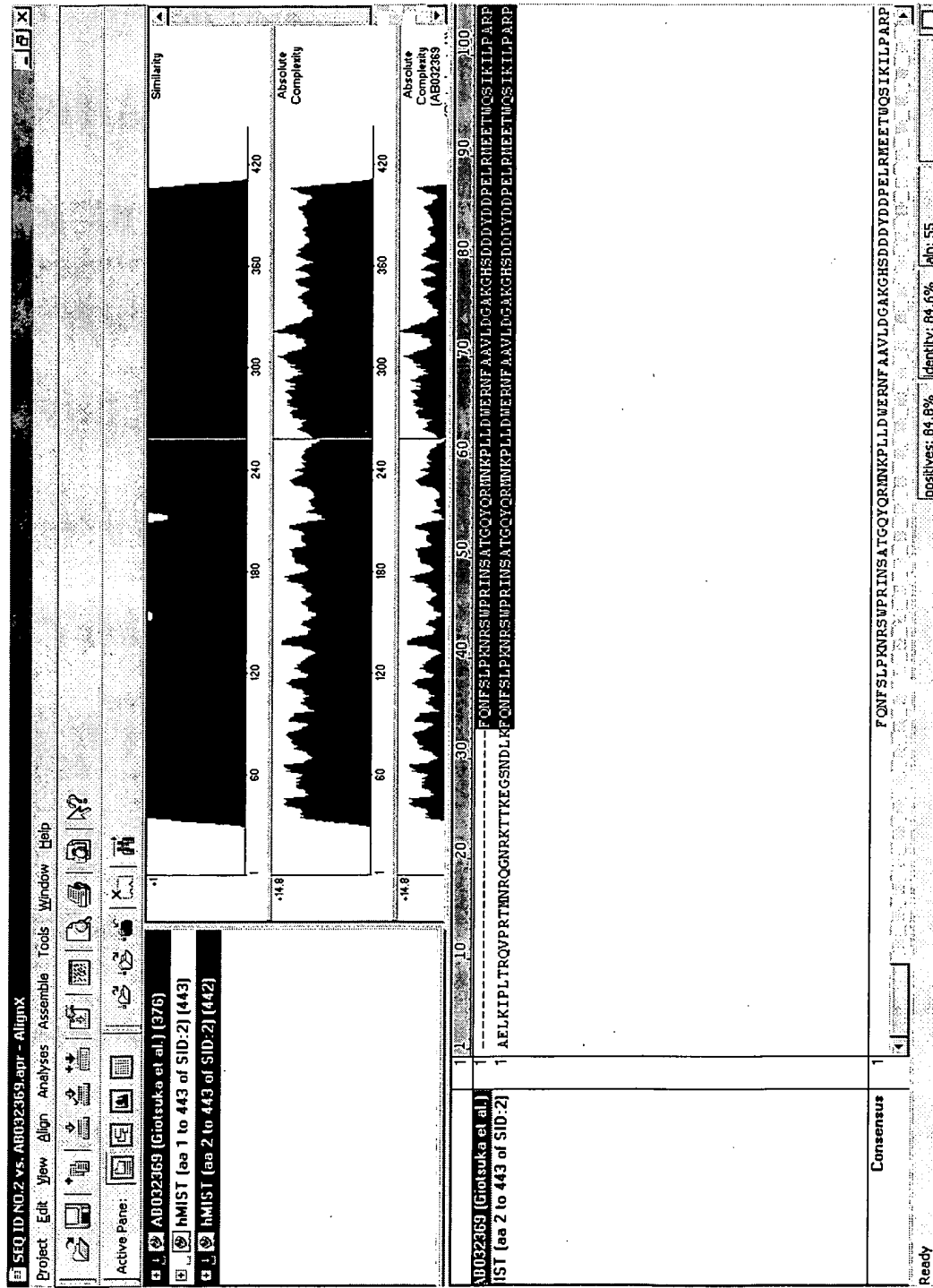
## Exhibit C (Cont'd)

		851		900
AB032369 (Goitsuka et al.)	(851)	AGGATGTC	CAGCACAATGAATGGTACATTGGAGAATACAGCCGCCAGGCA	
hMIST (1277 to 1648 of SID:1)	(1)	-----	CAGCACAATGAATGGTACATTGGAGAATACAGCCGCCAGGCA	
hMIST (1289 to 1540 of SID:1)	(1)	-----	TGGTACATTGGAGAATACAGCCGCCAGGCA	
		901		950
AB032369 (Goitsuka et al.)	(901)	CTGGAAGAGGCATTTCATGAAGGAGAACAAAGGATGGTAGTTTCTTGGTCCG		
hMIST (1277 to 1648 of SID:1)	(143)	GTGGAAGAGGCATTTCATGAAGGAGAACAAAGGATGGTAGTTTCTTGGTCCG		
hMIST (1289 to 1540 of SID:1)	(31)	GTGGAAGAGGCATTTCATGAAGGAGAACAAAGGATGGTAGTTTCTTGGTCCG		
		951		1000
AB032369 (Goitsuka et al.)	(951)	AGATTGTTCCACAAAATCCAAGGAAGAGCCCTATGTTTTGGCTGTGTTTT		
hMIST (1277 to 1648 of SID:1)	(93)	AGATTGTTCCACAAAATCCAAGGAAGAGCCCTATGTTTTGGCTGTGTTTT		
hMIST (1289 to 1540 of SID:1)	(81)	AGATTGTTCCACAAAATCCAAGGAAGAGCCCTATGTTTTGGCTGTGTTTT		
		1001		1050
AB032369 (Goitsuka et al.)	(1001)	ATGAGAACAAAGTCTACAATGTAAAAATCCGCTTCCTGGAGAGGAATCAG		
hMIST (1277 to 1648 of SID:1)	(143)	ATGAGAACAAAGTCTACAATGTAAAAATCCGCTTCCTGGAGAGGAATCAG		
hMIST (1289 to 1540 of SID:1)	(131)	ATGAGAACAAAGTCTACAATGTAAAAATCCGCTTCCTGGAGAGGAATCAG		
		1051		1100
AB032369 (Goitsuka et al.)	(1051)	CAGTTTGCCCTGGGGACAGGACTCAGAGGAGATGAGAAGTTTGATTTCAGT		
hMIST (1277 to 1648 of SID:1)	(193)	CAGTTTGCCCTGGGGACAGGACTCAGAGGAGATGAGAAGTTTGATTTCAGT		
hMIST (1289 to 1540 of SID:1)	(181)	CAGTTTGCCCTGGGGACAGGACTCAGAGGAGATGAGAAGTTTGATTTCAGT		
		1101		1150
AB032369 (Goitsuka et al.)	(1101)	AGAAGACATCATCGAACAACACTACAAGAATT-----		
hMIST (1277 to 1648 of SID:1)	(243)	AGAAGACATCATCGAACAACACTACAAGAATT-----		
hMIST (1289 to 1540 of SID:1)	(231)	AGAAGACATCATCGAACAACACTAC-----		
		1151		1200
AB032369 (Goitsuka et al.)	(1130)	-----		
hMIST (1277 to 1648 of SID:1)	(293)	GGAAAGATAAACTGGGGTCCACAGGAAACAGTGTCCCTCACTCAGCCA		
hMIST (1289 to 1540 of SID:1)	(253)	-----		
		1201		1230
AB032369 (Goitsuka et al.)	(1130)	-----		
hMIST (1277 to 1648 of SID:1)	(343)	CTCCCTCTCACCAGACACCTCTTGCCTCTG		
hMIST (1289 to 1540 of SID:1)	(253)	-----		





Exhibit E



%  
Identity